

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (currently amended): A magnetic head comprising:
- 2 a substrate;
- 3 a read head being fabricated upon said substrate;
- 4 a P1 pole being fabricated upon said read head;
- 5 a write gap layer being fabricated upon said P1 pole;
- a P2 pole tip being fabricated upon portions of said write gap layer, wherein said P2 pole
- 7 tip includes a first portion being comprised of a seed layer material and a second portion being
- 8 comprised of electroplated material, and wherein said P2 pole tip has a thickness dimension t,
- 9 and a base having a width dimension W; that is formed in part from a thickness of said seed layer
- 10 material portion and in part from a thickness of said electroplated material portion
- and wherein said seed layer is comprised of an integrally formed layer of material that
- 12 forms said base of said P2 pole tip and a sidewall of said P2 pole tip that extends throughout said
- 13 thickness t of said P2 pole tip.
- 1 2. (currently amended): A magnetic head as described in claim 1 wherein said first
- 2 electroplated material that comprises said second portion of said P2 pole tip that is comprised of
- 3 plated upon said seed layer material that forms a sidewall of said P2 pole tip.
- 1 3. (original) A magnetic head as described in claim 1 wherein said seed layer material is
- 2 formed with a thickness of approximately 50 Å to approximately 500 Å, and said electroplated
- 3 material is formed with a thickness of approximately 100 Å to approximately 5000 Å.



- (original) A magnetic head as described in claim 3 wherein said seed layer material 4. thickness is approximately 250 Å and said electroplated material thickness is approximately 1500 Å.
- (original) A magnetic head as described in claim 3 wherein said seed layer material is 5. 1 comprised of NiFe and said electroplated material is comprised of NiFe. 2
- (currently amended) A hard disk drive comprising: 6. 1
- at least one hard disk being fabricated for rotary motion upon a disk drive; 2
- at least one magnetic head adapted to fly over said hard disk for writing data on said hard 3
- disk, said magnetic head including: 4
- 5 a substrate;
- a read head being fabricated upon said substrate; 6
- a P1 pole being fabricated upon said read head; 7
- a write gap layer being fabricated upon said P1 pole; 8
- a P2 pole tip being fabricated upon portions of said write gap layer, wherein said P2 pole 9
- tip includes a first portion being comprised of a seed layer material and a second portion being 10
- comprised of electroplated material, and wherein said P2 pole tip has a thickness dimension t, 11
- and a base having a width dimension W; that is formed in part from a thickness of said seed layer 12
- 13 material portion and in part from a thickness of said electroplated material portion

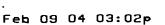
p.5

- and wherein said seed layer is comprised of an integrally formed layer of material that

 forms said base of said P2 pole tip and a sidewall of said P2 pole tip that extends throughout said
- thickness t of said P2 pole tip.
 - 1 7. (currently amended): A hard disk drive as described in claim 6 wherein said first
 - 2 electroplated material that comprises said second portion of said P2 pole tip that is comprised of
 - 3 plated upon said seed layer material that forms a sidewall of said P2 pole tip.
 - 1 8. (original) A hard disk drive as described in claim 6 wherein said seed layer material is
 - 2 formed with a thickness of approximately 50 Å to approximately 500 Å, and said electroplated
 - 3 material is formed with a thickness of approximately 100 Å to approximately 5000 Å.
 - 9. (original) A hard disk drive as described in claim 8 wherein said seed layer material
 - 2 thickness is approximately 250 Å and said electroplated material thickness is approximately
 - 3 1500 Å.
 - 1 10. (original) A hard disk drive as described in claim 8 wherein said seed layer material is
 - 2 comprised of NiFe and said electroplated material is comprised of NiFe.
 - 11-18 (withdrawn)
 - 1 19. (currently amended): A magnetic head comprising:
 - 2 a substrate;

a read head being fabricated upon said substrate;

- a P1 pole being fabricated upon said read head;
- a write gap layer being fabricated upon said P1 pole;
- a P2 pole tip being fabricated upon portions of said write gap layer, wherein said P2 pole
- tip includes a base surface that is disposed upon said write gap layer and a side wall surface that 7
- is disposed generally perpendicularly to said base surface, and wherein said base surface and said 8
- side wall surface are comprised of a an integrally formed layer of P2 pole tip seed layer material. 9
- (previously added) A magnetic head as described in claim 19 wherein said base surface 20. 1
- defines a width W of said P2 pole tip and said sidewall defines a thickness t of said P2 pole tip. 2
- (currently amended): A magnetic head as described in claim 20, wherein said P2 pole tip 1 21.
- further includes an electroplated material portion, and wherein said electroplated material portion 2
- is formed plated in part upon said sidewall surface seed layer material. 3
- (previously added) A magnetic head as described in claim 21 wherein said seed layer 22. 1
- material is formed with a thickness of approximately 50 Å to approximately 500 Å, and said 2
- electroplated material is formed with a thickness of approximately 100 Å to approximately 5000 3
- Å. 4
- (previously added) A magnetic head as described in claim 21 wherein said seed layer 23. 1
- material thickness is approximately 250 Å and said electroplated material thickness is 2
- approximately 1500 Å. 3





- (previously added) A magnetic head as described in claim 21 wherein said seed layer 24.
- material is comprised of NiFe and said electroplated material is comprised of NiFe. 2